QL
461
P3

Published by the

Pacific Coast Entomological Society

in cooperation with

The California Academy of Sciences

VOLUME FORTY-FOUR

1968

EDITORIAL BOARD

R. W. THORP, *Editor*
R. O. SCHUSTER, *Assistant Editor*
E. G. LINSLEY
HUGH B. LEECH
E. S. ROSS
P. D. HURD, JR.
P. H. ARNAUD, JR., *Treasurer*
W. H. LANGE, *Advertising*

PUBLICATION COMMITTEE

1968	1969	1970
Jerry A. Powell, Chairman	H. V. Daly	D. D. Linsdale
Paul H. Arnaud, Jr.	W. E. Ferguson	D. P. Furman

San Francisco, California

1968

CONTENTS FOR VOLUME 44

Akre, R. D.
The behavior of *Euxenister* and *Pulvinister*, histerid beetles associated with Army ants 87

Allen, R. K. and D. L. Collins
A new species of *Ephemerella* (*Serratella*) from California 122

Arnaud, P. H., Jr.
Rearing of *Ergates spiculatus spiculatus* (LeConte) from a house beam at Saratoga, California 81
Discovery of the genus *Thaumalea* in central California 83
Occurrence of *Paradejeania rutilioides nigrescens* in San Francisco, California 85

Bedard, W. D.
Additions to the knowledge of the biology of *Conophthorus lambertianae* Hopkins 7

Bohart, R. M.
New Nyssoninae from North and South America 228

Brinquel, G. J.
Two new parasites of the Douglas-fir gall midge, *Contarinia oregonensis* Foote 339

Buckett, J. S.
Correction 259

Buckett, J. S. and M. R. Gardner
A new genus and species of milliped from northern California 198

Burdick, D. J.
Distributional information on *Hydrometra martini* Kirkaldy 81

Buxton, G. M. and T. J. Freeman
Positive separation of *Blattella vaga* and *Blattella germanica* 168

Cameron, E. A.
Sirex juvencus californicus in smog-killed trees in southern California 168

Chemsak, J. A. and E. G. Linsley
New species of Elaphidionini from Mexico 26

Clement, S. L. and E. E. Grissell
Observations of the nesting habits of *Euparagia scutellaris* Cresson 34

Cope, J. S.
Notes on larval and adult habits of *Vandykea tuberculata* Linsley 308

Denning, D. G.
New and interesting North American Trichoptera 17

Doutt, R. L.
The genus *Brachygrammatella* Girault 289

Doyen, J. T.
The phylogenetic position of *Edrotes* and a new species of the genus 218

Edwards, J. G.
Large Costa Rican Ephemeridae 82

Eighme, L. E.
A new species of *Pulverro* from California 261

Evans, W. G.
Some intertidal insects from western Mexico 236

Fellin, D. G.
Further observations on trapping male *Pleocoma* with female-baited traps 69

Fender, K. M.
A new subspecies of *Cantharis hatchi* McKey-Fender 300

Frommer, S. I.
Book Review: The Crane Flies of California 72

Gagné, W. C.
A Grylloblattid locality in Oregon 83

Grigarick, A. A. and R. O. Schuster
A revision of the genus *Cupila* Casey 38

Gustafson, J. F. and R. S. Lane
An annotated bibliography of literature on salt marsh insects and related arthropods in California 327

Hagen, K. S. and L. E. Caltagirone
A new Nearctic species of *Karpinskiella* 241

Hill, A. R.
A new species of aphid from *Rubus parviflorus* in California 214

Hynes, C. D.
The immature stages of *Hesperoconopa dolichophallus* (Alex.) .. 324

Johnson, C. D.
Correction 259
The status of *Bruchus distinguendus* Horn 279
A redescription of *Acanthoscelides aequalis* (Sharp) 336

Jones, T. W.
The zonal distribution of three species of Staphylinidae in the rocky intertidal zone in California 203

Leech, H. B.
Recent literature 68, 86
Distribution of the cerambycid beetle *Ergates pauper* Linsley 86

Lehmkuhl, D. M.
Observations on the life histories of four species of *Epeorus* in western Oregon 129

Linsley, E. G. and J. W. MacSwain
A new species of *Onagrandrena* associated with *Camissonia campestris* 144

Martin, C. H.
New Mexican *Acronyches* and *Parataracticus* 179

Mayo, V. K.
Two new species of the genus *Baetodes* from Ecuador 251
Some new mayflies of the subfamily Leptohyphinae 301

Michelbacher, A. E. and P. D. Hurd, Jr.
Late season foraging activities of *Xenoglossa gabbii crawfordi* Cockerell 58

Muchmore, W. B.
Two new species of chthoniid pseudoscorpions from the western United States 51

Nayar, J. L.
Two new species of *Eristalis* from India 119
Abdominal band-variations in *Eristalis tenax* (Linnaeus) 125
Male genitalia of Eristalinae from California 153

Nayar, J. L. and F. R. Cole
Two new speces of *Spilomyia* Meigen 211
A new species of *Criorhina* Meigen from California 285

A new species of *Mallota* from North America 287
Two new species of *Eristalis* Latreille from western North America 294

Obituary Notices
Robert L. Usinger 260
Howard Lester McKenzie 335

Opler, P. A.
Myrmecophily reported for *Icaricia acmon* and *Philotes enoptes bayensis* 79
Unusual numbers of *Hepialus sequoiolus* Behrens in Sonoma County 83

Parker, F. D.
Correction 259

Parker, F. D. and R. M. Bohart
Host-parasite associations in some twig-nesting Hymenoptera from western North America. Part II 1

Parks, L.
Synopsis of robberfly genera allied to *Efferia* and *Eicherax*, including a new genus 171

Philip, C. B.
Overlap between Nearctic and Neotropical faunae of Tabanidae in western North America 332

Powell, J. A.
Discovery of *Esperia sulphurella* (F.) in California 78
A record of *Zeiraphera hesperiana* Mutuura & Freeman in California 85

Proceedings, Pacific Coast Entomological Society 76

Real, H. G.
Notes on the crepuscular nature of the species of Celaenorrhinus group 81

Rudinsky, J. A.
Pheromone-mask by the female *Dendroctonus pseudotsugae* Hopk., an attraction regulator 248

Schuster, R. O.
The identity of *Roncus pacificus* Banks 137

Collections Donated 257

Schuster, R. O. and A. A. Grigarick
A new genus of pselaphid beetle from southeast United States 112

Smith, S. D.
The Arctopsychinae of Idaho 102

Thompson, F. C.
A new Australian *Microdon* with a name change 44

Tilden, J. W.
Cultivated snapdragon a host of tobacco budworm 258

Tilden, J. W. and B. A. Tilden
Predation by *Adelocera* and *Alaus* 258

Tyson, W. H.
New California Cerambycidae 140

Ueshima, N.
New species of *Paracimex* 47
Cytology and bionomics of *Primicimex cavernis* Barber 145
New species and records of Cimicidae with keys 264

Usinger, R. L.
Book Review: Ectoparasites of Panama 73
Collections Donated 257

Wasbauer, M. S.
New genera of male Brachycistidinae with a redescription of *Brachycistellus* Baker and a key to North American genera 184
Some sex associations in the Brachycistidinae 297

Welles, S. P., Jr.
A new host record for *Anthrax limatulus vallicola* Marston 340

Wheeler, G. C. and J. Wheeler
The rediscovery of *Manica parasitica* 71

Wickman, B. E. and S. G. Seminoff
Notes on the biology of *Eucrossus villicornis* LeConte 321

Williams, S. C.
Two new scorpions from western North America 313

Zoological Nomenclature 57, 259

Zuska, J.
Tyrophagus putrescentiae and *Megaselia scalaris* infesting laboratory cultures of sciomyzid flies 70